

How to change front wheel bearing on Opel Zafira B A05 – replacement guide

 **VIDEO TUTORIAL**

Important!

This replacement procedure can be used for:
OPEL ASTRA H (A04) 1.8 (L48), OPEL ASTRA H Estate (A04) 1.8 (L35), OPEL ASTRA H GTC (A04) 1.8 (L08), OPEL ASTRA H Saloon (A04) 1.8 (L69), OPEL ASTRA H TwinTop (A04) 1.8 (L67), OPEL ZAFIRA / ZAFIRA FAMILY B (A05) 1.8 (M75), OPEL ZAFIRA / ZAFIRA FAMILY B (A05) 1.8 LPG (M75), OPEL ZAFIRA B Van (A05) 1.8 (M75)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – OPEL ZAFIRA B A05. TOOLS YOU MIGHT NEED:



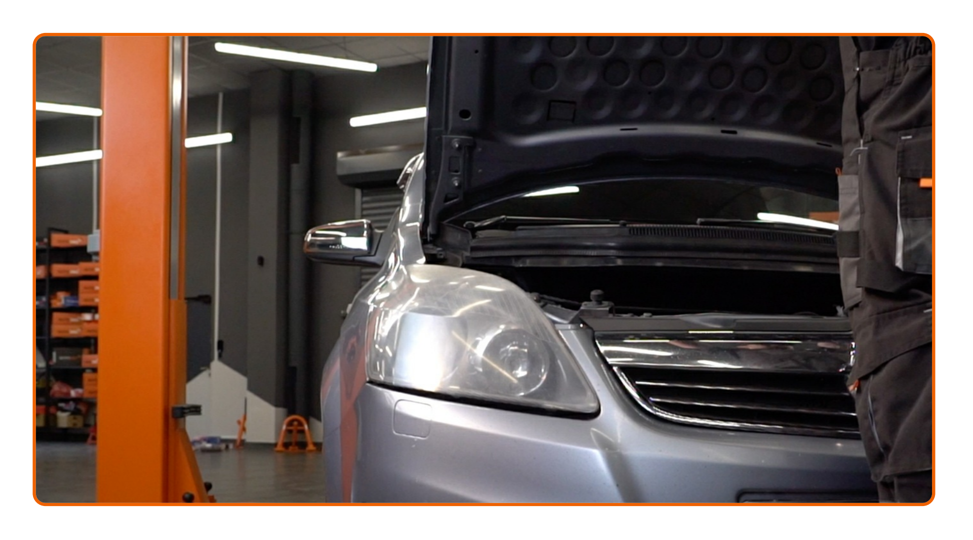
- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Drive socket # E13
- Drive socket # 18
- Drive socket # 19
- Drive socket # 32
- HEX bit no.H5.
- HEX bit no.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Pin punch
- Hammer
- Flat chisel
- Rubber mallet
- Tap wrench
- Crow bar
- Wheel chock

Replacement: wheel bearing – Opel Zafira B A05. Tip:

- Do not re-use the bearing assembly of your Opel Zafira B A05 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Warning! Shut down the engine before starting any work – Opel Zafira B A05.

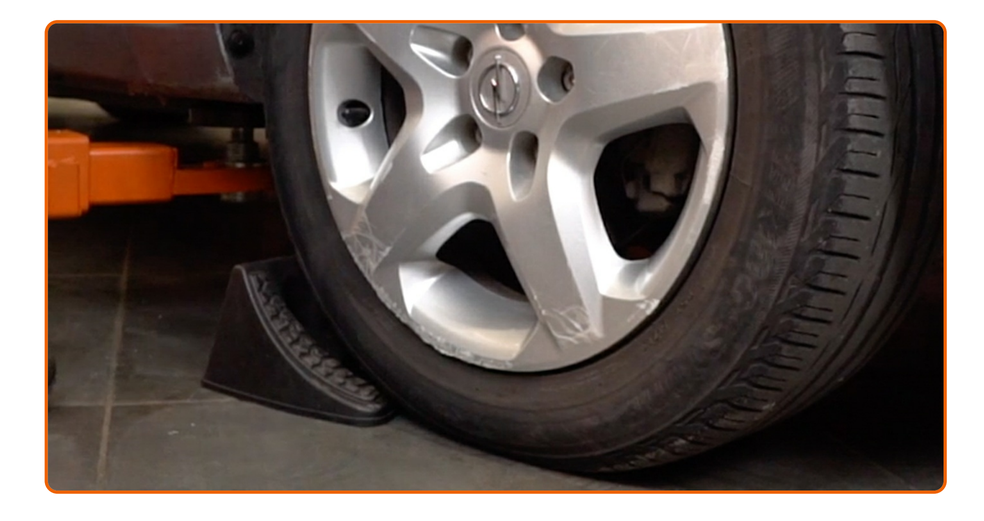
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



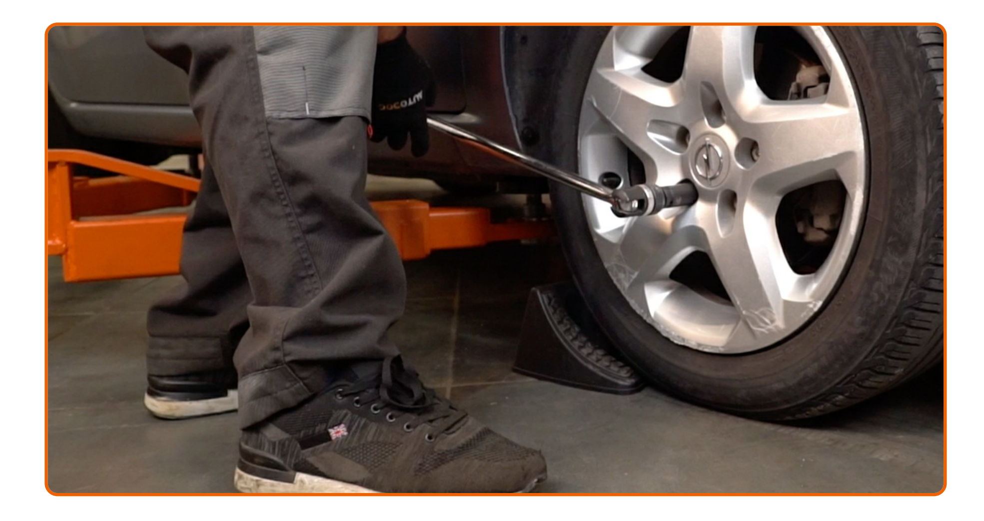
Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #17.

3



Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #32. Use a tap wrench.

4



Raise the front of the car and secure on supports.

5



Unscrew the wheel bolts.

Replacement: wheel bearing – Opel Zafira B A05. AUTODOC recommends:

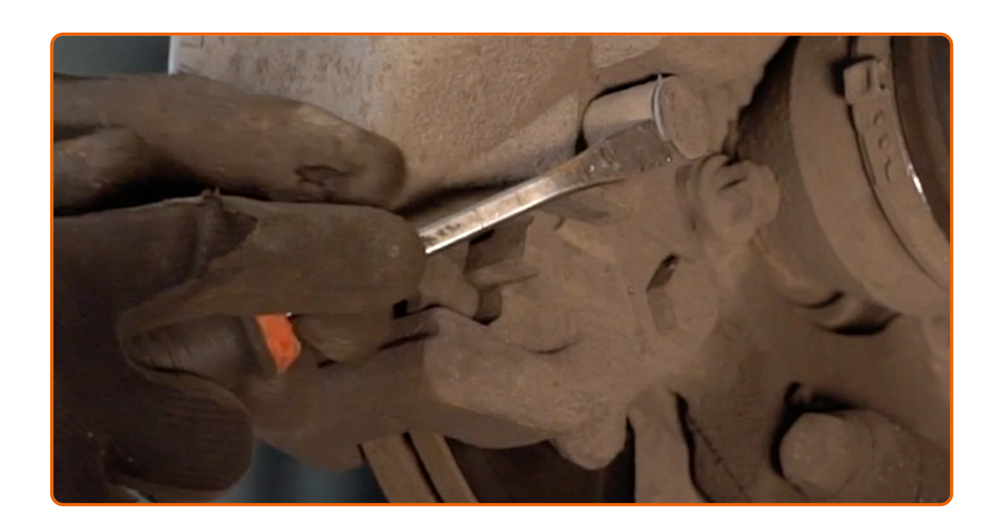
- To avoid injury, hold up the wheel when unscrewing the bolts.

6



Remove the wheel.

7



Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.

8



Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.

9



Spread the brake pads. Use a crowbar.

10



Pull aside the brake caliper retaining spring. Use a crowbar.

11



Remove the brake caliper.

Replacement: wheel bearing – Opel Zafira B A05. Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

12



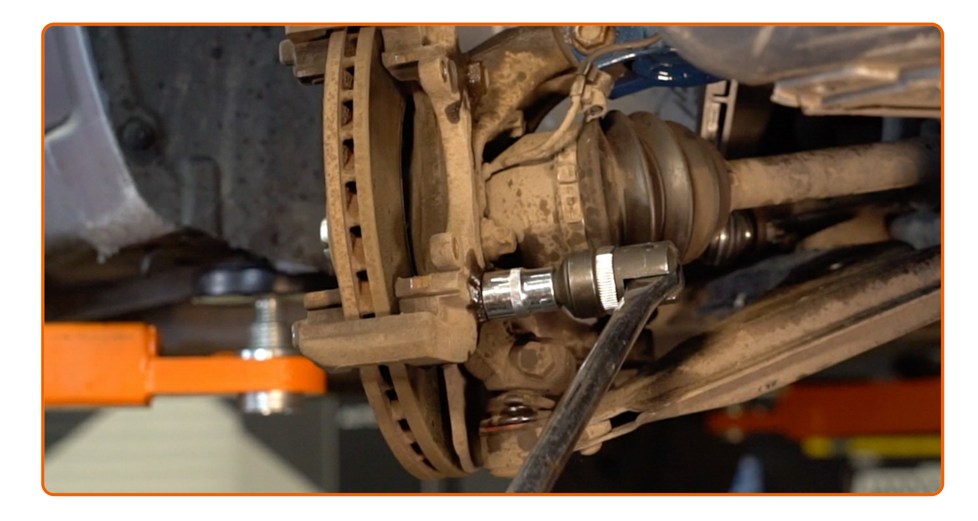
Remove the brake pads.

13



Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

14



Unscrew the caliper bracket fastening. Use a drive socket #18. Use a tap wrench.

15



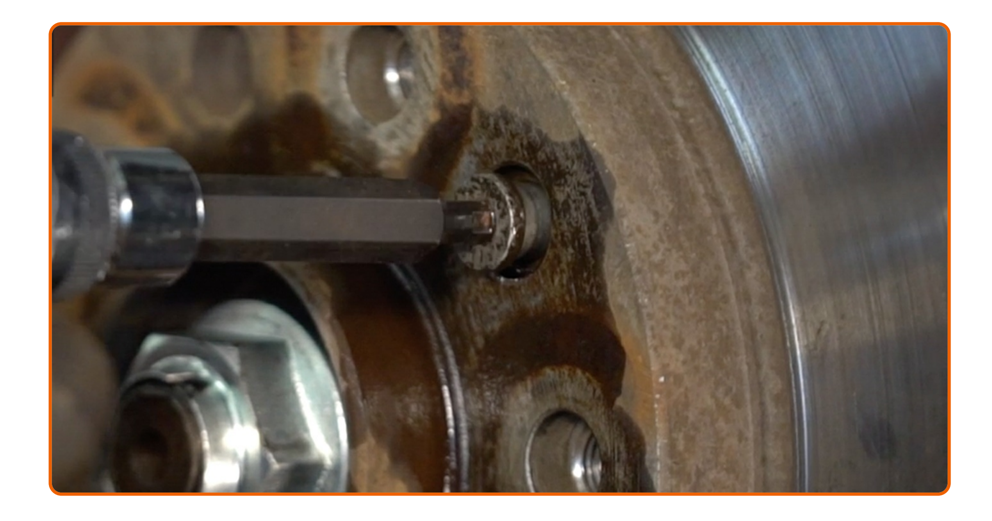
Remove the caliper bracket.

16



Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.

17



Unscrew the brake disc fastening. Use HEX No.H5. Use a ratchet wrench.

18

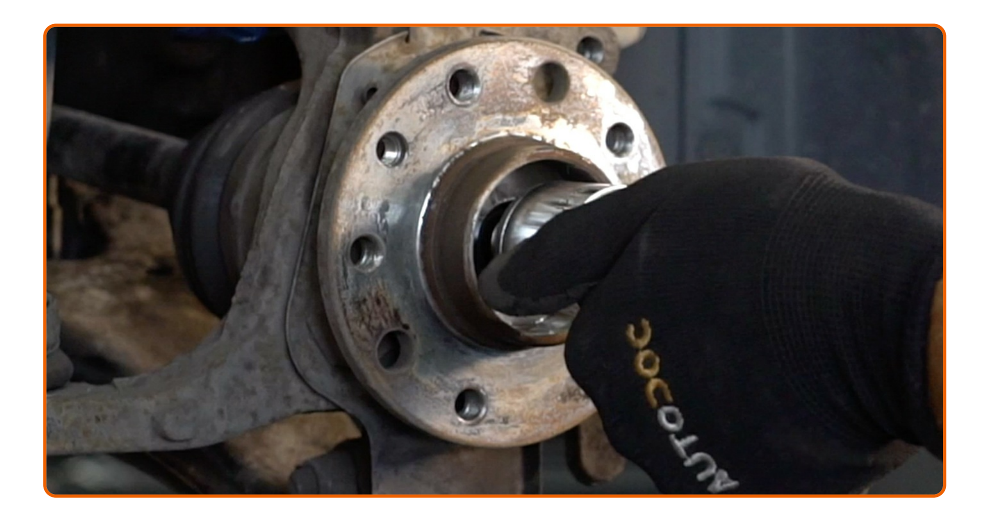


Remove the brake disc.

Replacement: wheel bearing – Opel Zafira B A05. Tip from AUTODOC:

- If necessary, use a rubber mallet.

19



Unscrew the wheel hub axle nut. Use a drive socket #32.

20



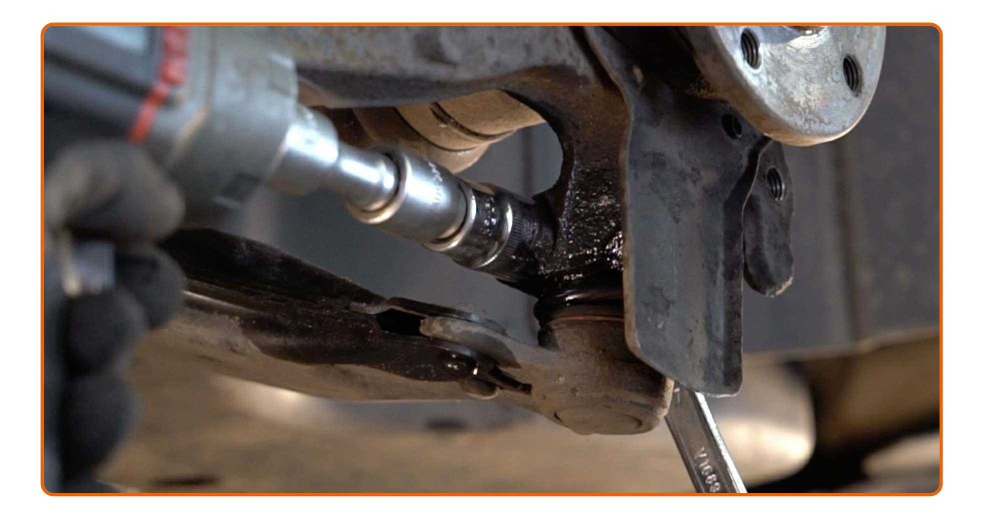
Remove the drive shaft.

21



Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

22



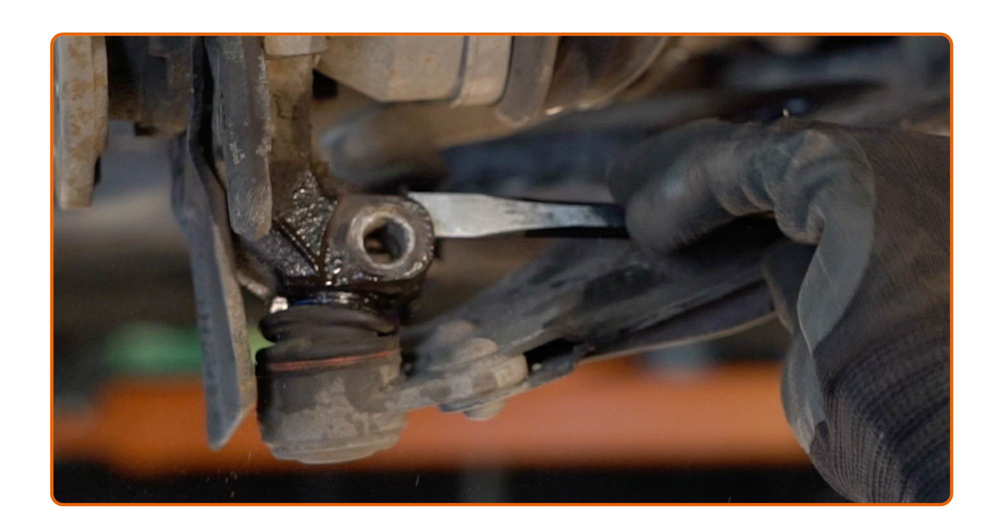
Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #17. Use a drive socket #19. Use a ratchet wrench.

23



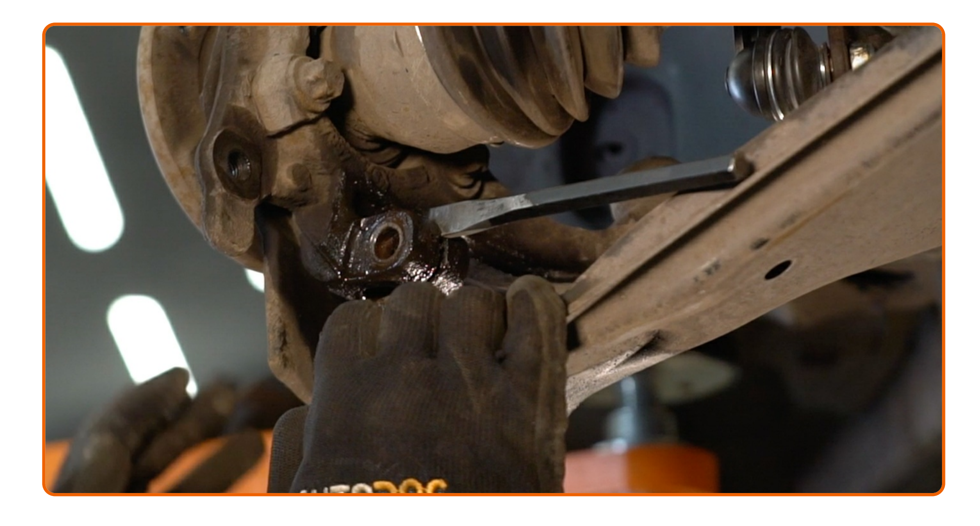
Remove the fastening bolt. Use a pin punch. Use a rubber mallet.

24



Release the fastener that connects the control arm ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.

25



Disconnect the lower arm from the steering knuckle.

26



Remove the drive shaft.

Replacement: wheel bearing – Opel Zafira B A05. AUTODOC experts recommend:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

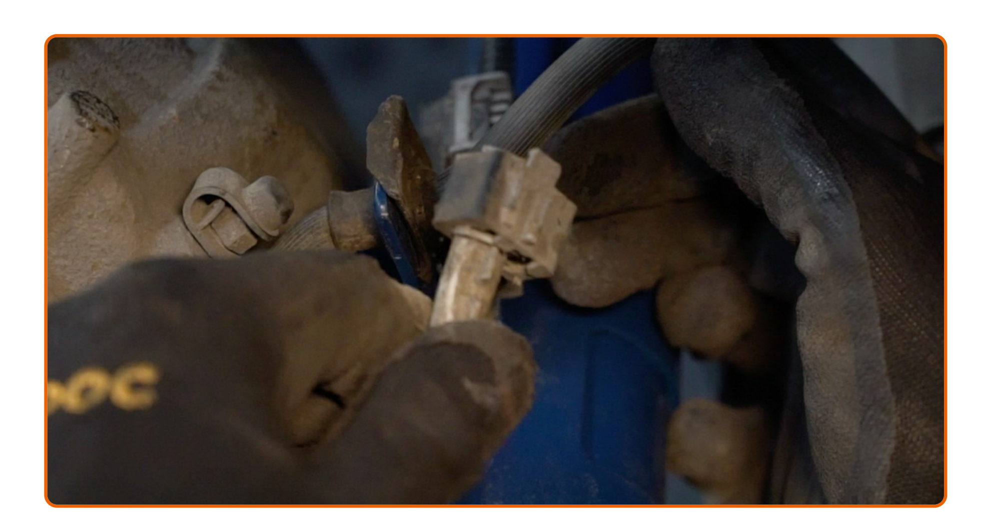


27



Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

28



Detach the ABS sensor connector.

29



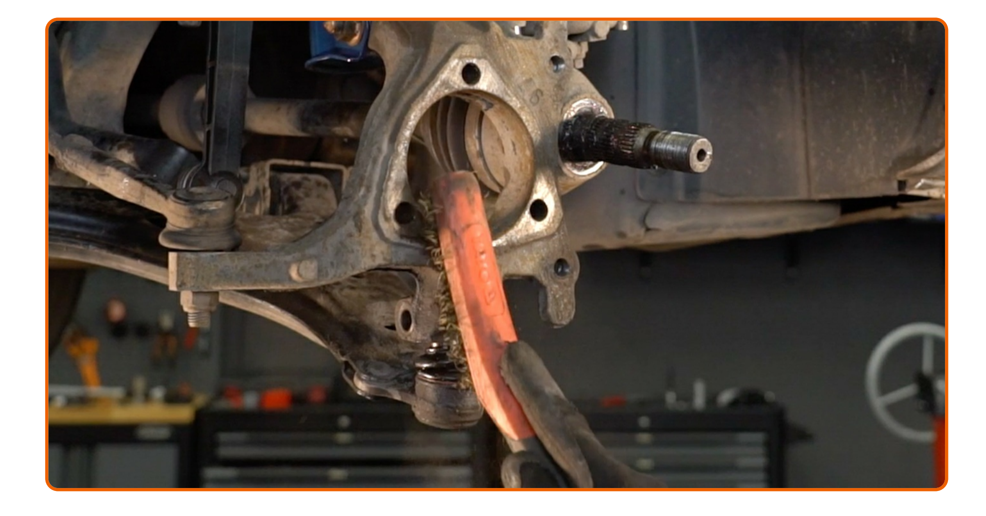
Unscrew the hub bearing mounting. Use a drive socket #E13. Use a ratchet wrench. Use a tap wrench.

30



Remove the hub and the bearing together, since they are a sealed unit.

31



Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

32



Install the new wheel hub with a bearing.

33

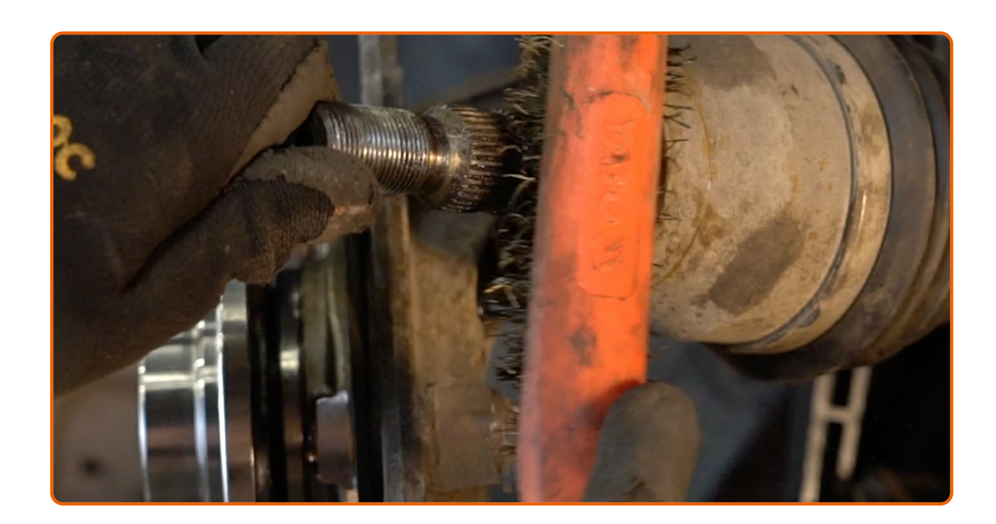


Tighten the fastener of the wheel hub bearing. Use a drive socket #E13. Use a torque wrench. Tighten it to 75 nm torque.

Replacement: wheel bearing – Opel Zafira B A05. Tip from AUTODOC experts:

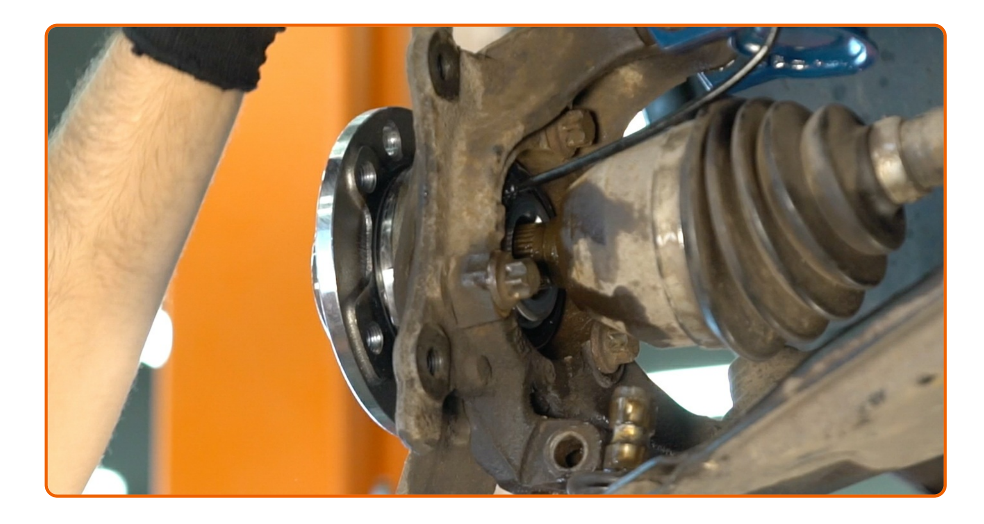
- The wheel bearing unit must not tilt on the axle pin.

34



Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.

35



Mount the drive shaft into the wheel hub.

36



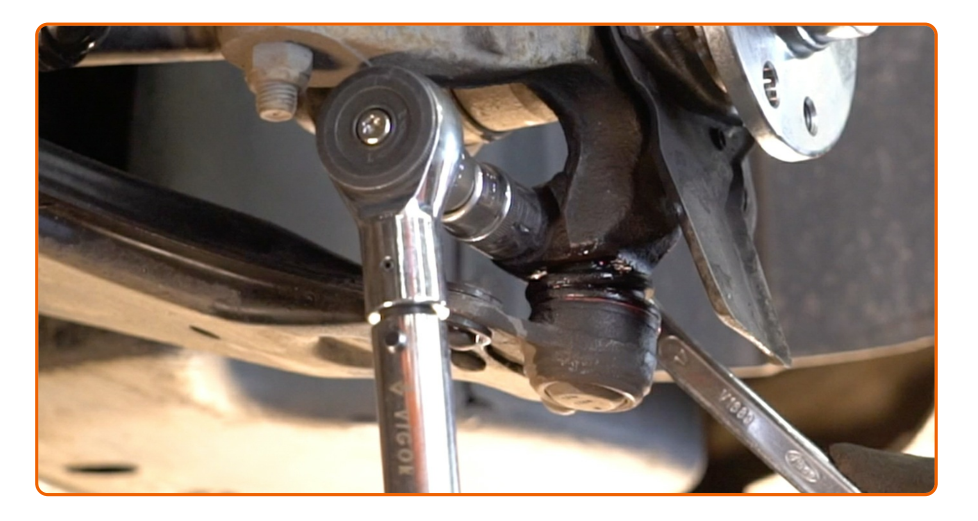
Connect the lower arm to the steering knuckle.

37



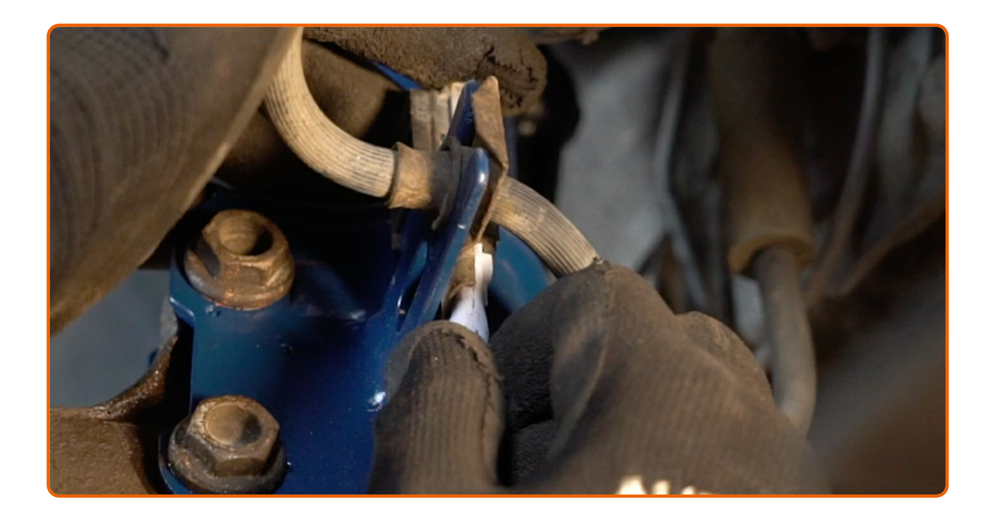
Install the fastening bolt.

38



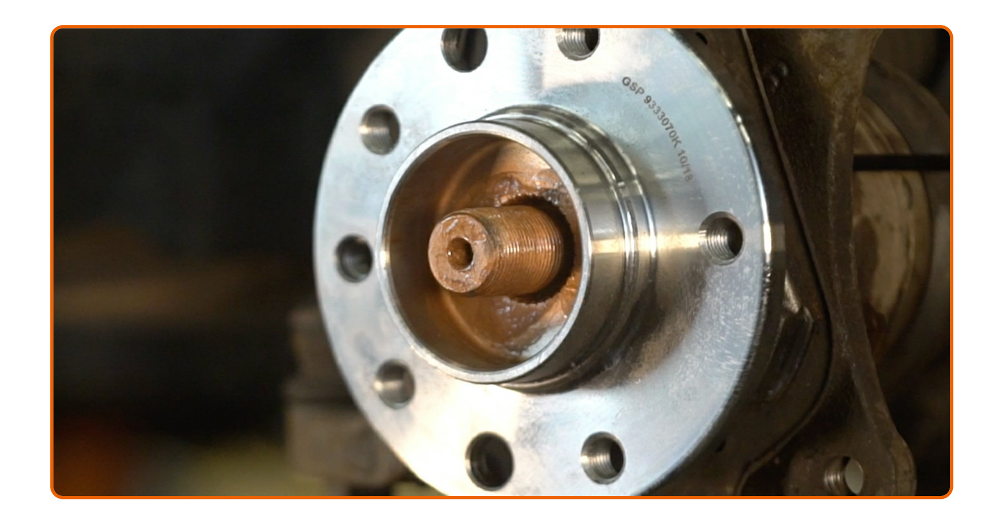
Tighten the ball joint fastener. Use a combination spanner #17. Use a drive socket #19. Use a torque wrench. Tighten it to 55 Nm torque.

39



Attach the ABS sensor connector.

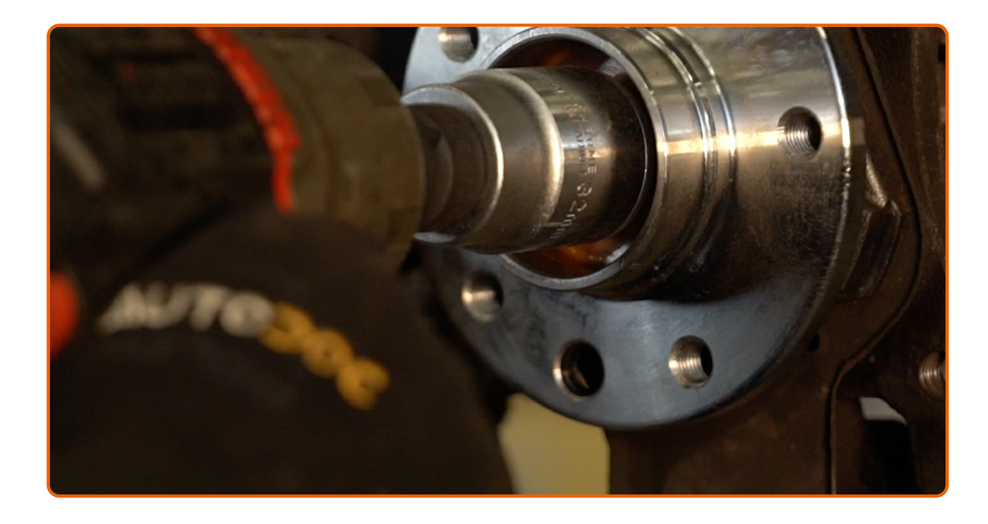
40



Treat the splines of the driveshaft CV joint. Use copper grease.

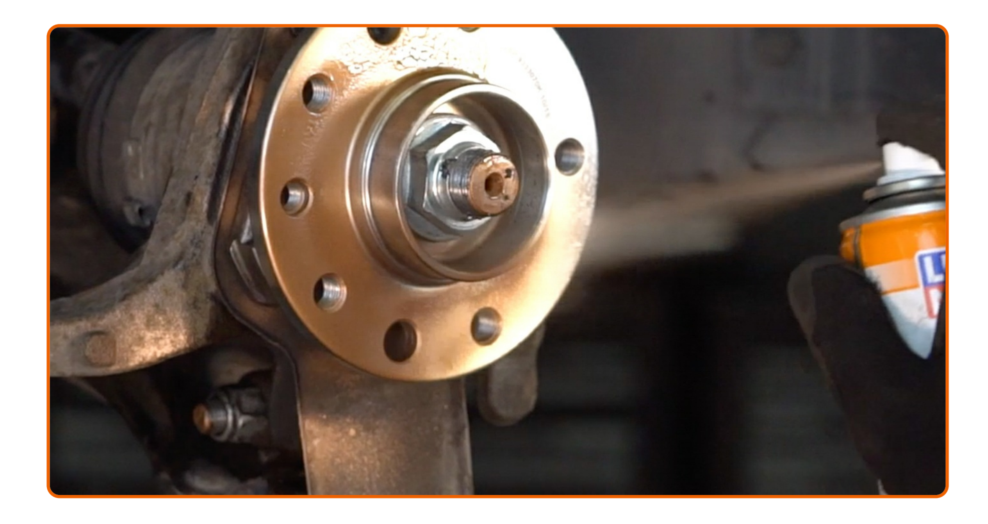


41



Screw the wheel hub axle nut. Use a drive socket #32.

42



Treat the hub where it contacts the brake disk. Use copper grease.

43



Install the brake disc.

44



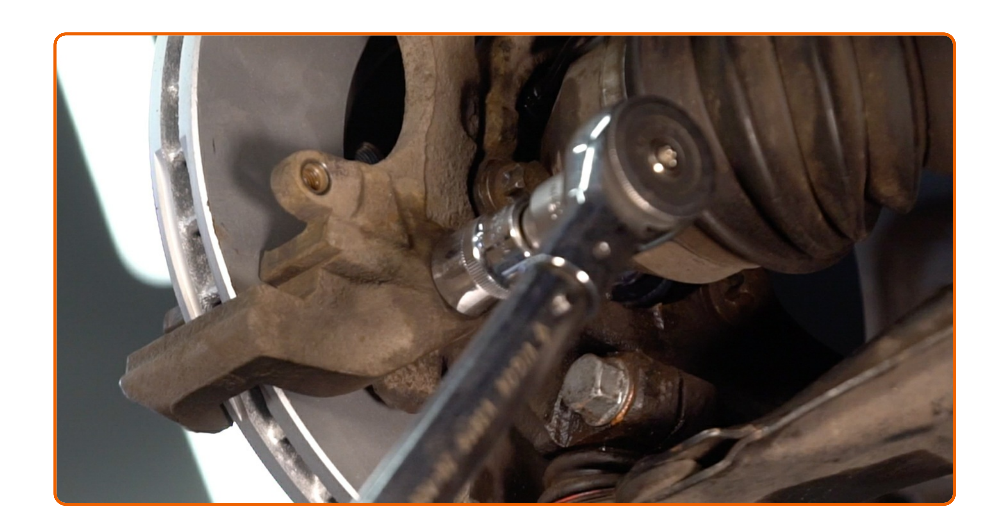
Tighten the brake disc fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 9 Nm torque.

45



Install the brake caliper bracket.

46



Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 75 Nm torque.

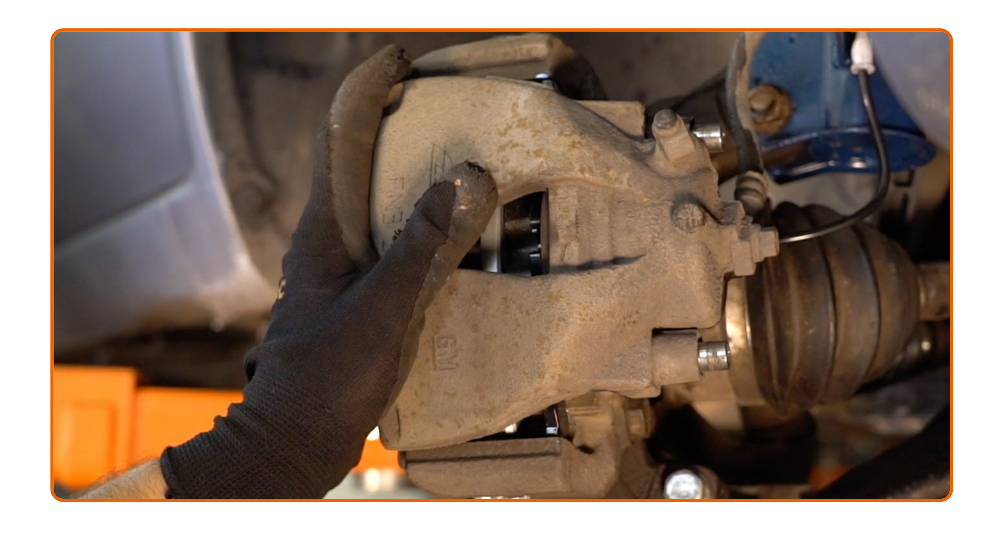


47



Install the brake pads.

48



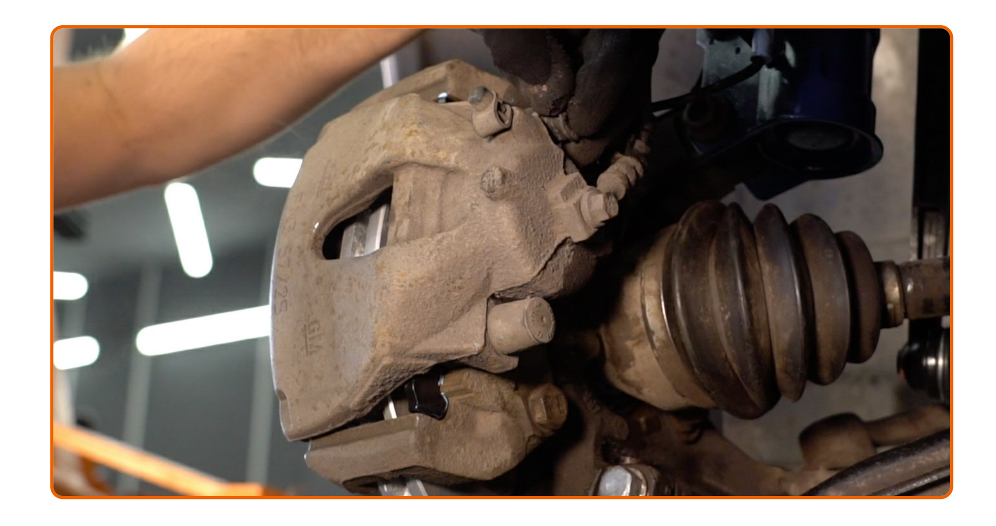
Install the brake caliper and fix it.

49



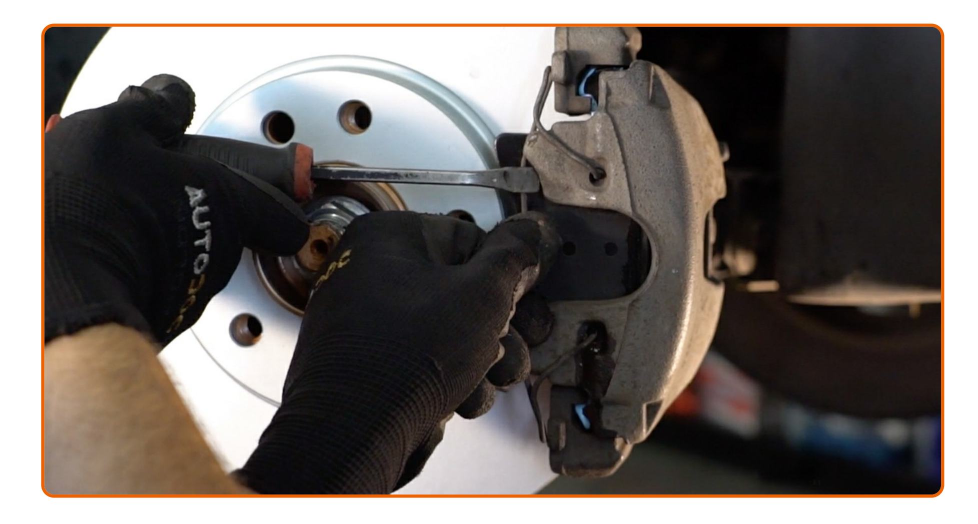
Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 35 Nm torque.

50



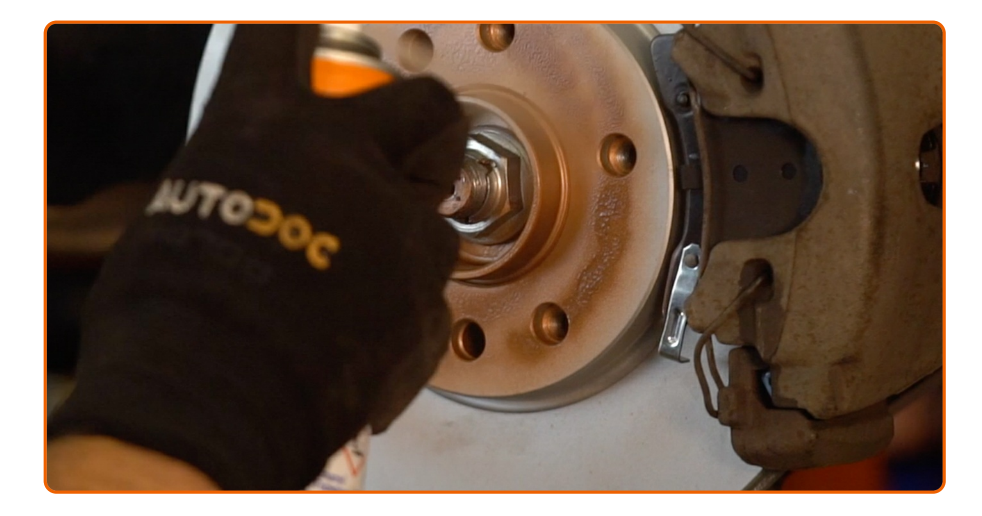
Install the dust boot caps of the brake caliper guide pins.

51



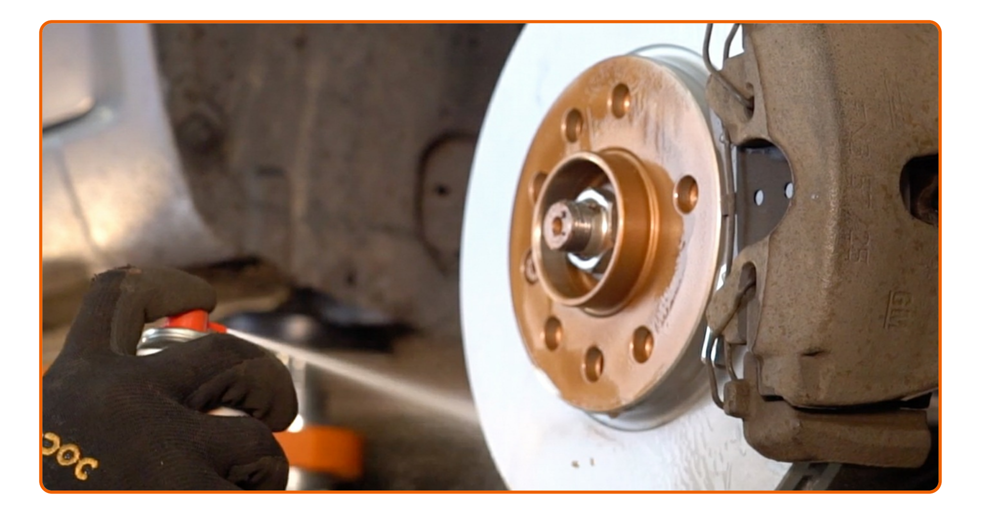
Snap the brake caliper retaining spring back into place. Use a crowbar.

52



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

53



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: wheel bearing – Opel Zafira B A05. After applying the spray, wait a few minutes.

54



Install the wheel.



Replacement: wheel bearing – Opel Zafira B A05. AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

55



Screw in the wheel bolts. Use wheel impact socket #17.

56

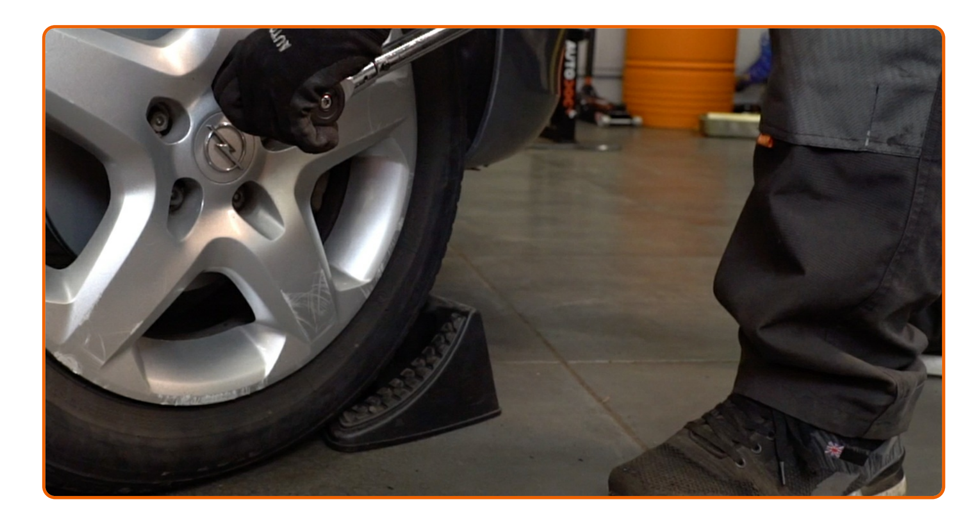
Lower the car.

57



Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 145 Nm torque.

58



Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 120 Nm torque.

59



Remove the jacks and chocks.



DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO

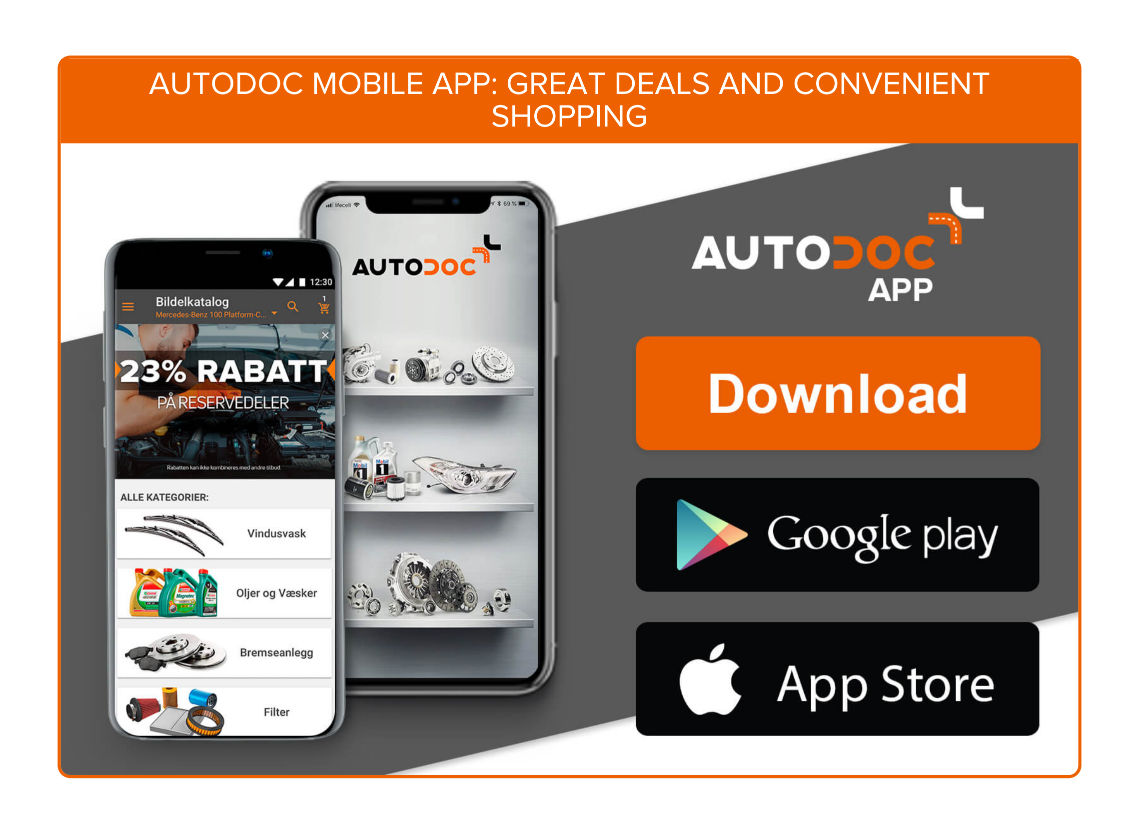


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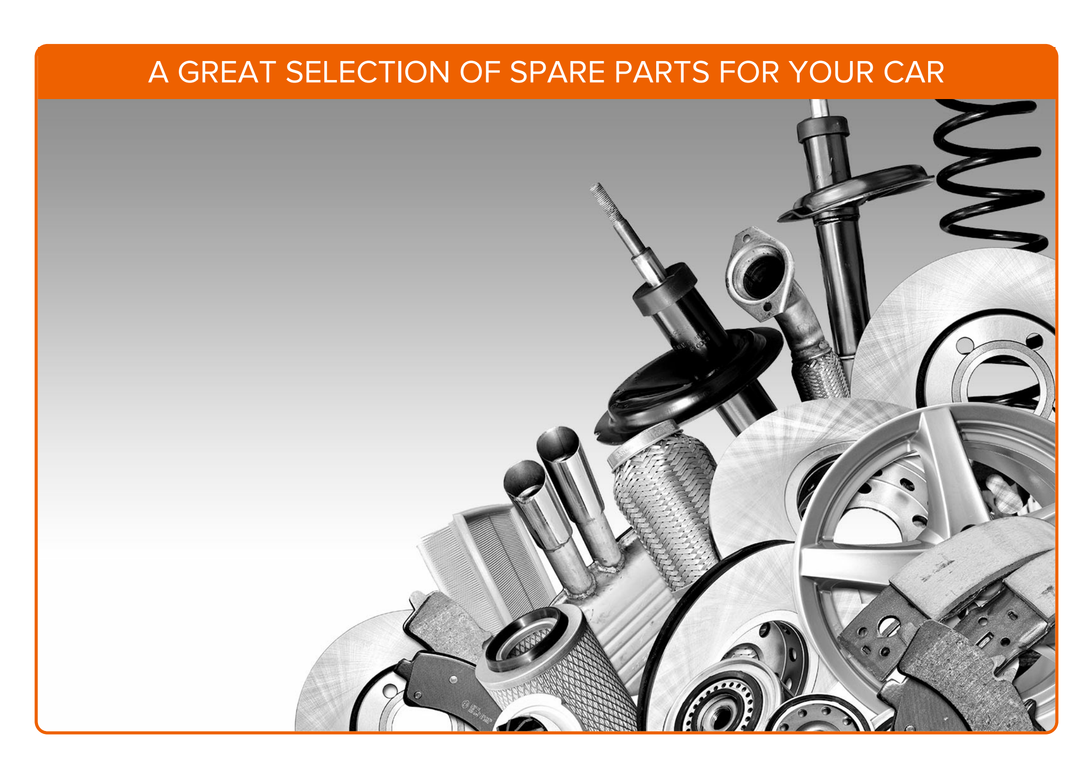


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